

IDS# 3 *qul*

Please type a plus sign (+) → +

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

1449/PTO

U.S. Department of Commerce
Patent and Trademark Office

Application No. :

Filing Date :

First Named Inventor: N. MATSUOKA

Group Art Unit :

Examiner Name :

Attorney Docket No. FUJI 18.511

INFORMATION DISCLOSURE**STATEMENT BY APPLICANT**

Sheet 1 of 1

1c971 U.S. PTO

09/817073

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Cite No. ¹ | U.S. Patent Document | Kind Code if known ² | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|----------------------|---------------------------------|---|--|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN DOCUMENTS

| Examiner Initials | Cite No. ¹ | Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known) | Country | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|---|---------|---|--|---|
| <i>qul</i> | | 10271163 | JP | Mitsubishi Electric Corp | 10/09/98 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|--------------------|------------------|-----------------|---------|
| Examiner Signature | <i>qulmyhahn</i> | Date Considered | 8/17/04 |
|--------------------|------------------|-----------------|---------|

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

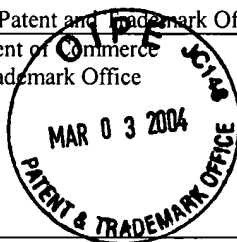
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) → +

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

| | | |
|--|--|-----------------------------------|
| 1449/PTO | U.S. Department of Commerce Patent and Trademark Office | Application No. : 09/817,073 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Filing Date : March 26, 2001 |
| <u>Sheet 1 of 1</u> | | First Named Inventor: N. MATSUOKA |
| | | Group Art Unit : 2661 |
| | | Examiner Name : D.W. OLMS |
| | | Attorney Docket No. : FUJI 18.511 |

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Cite No. ¹ | U.S. Patent Document | Kind Code if known ² | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|----------------------|---------------------------------|---|--|---|
| <i>ful</i> | | 5,905,725 | | SINDHU, et al. | 05/18/1999 | |
| | | | | | | |
| | | | | | | |

FOREIGN DOCUMENTS

| Examiner Initials | Cite No. ¹ | Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known) | Country | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YY/Y | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|-----------------------|---|---------|---|--|---|
| <i>ful</i> | | 0 676 878 | EP | INTERNATIONAL BUSINESS MACHINES CORPORATION | 10/11/1995 | |
| | | | | | | |
| | | | | | | |

Other Prior Art-Non Patent Literature Documents

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source. | Applicant check here if English language translation attached |
|--------------------|------------------------|---|---|
| <i>ful</i> | | MCKEOWN, "FAST SWITCHED BACKPLANE FOR A GIGABIT SWITCHED ROUTER" CISCOWHITE PAPER IN BUSINESS COMMUNICATIONS REVIEW VOL. 27, NO. 12, DECEMBER 1997; XP002267386 | |
| <i>ful</i> | | FUNAE, et al., "DEVELOPMENT OF HIGH-PERFORMANCE AND WIDE-BANDWIDTH IP ROUTER" NEC RESEARCH AND DEVELOPMENT, VOL. 40, NO. 1; JANUARY 1999 XP000883830: ISSN: 0547-051X, pp. 96-102 | |
| <i>ful</i> | | HUI, et al., "QUEUEING STRATEGIES FOR MULTICAST PACKET SWITCHING" COMMUNICATIONS: CONNECTING THE FUTURE. DECEMBER 2-5, 1990, PROCEEDINGS OF THE GLOBAL TELECOMMUNICATIONS CONFERENCE AND EXHIBITION, VOL. 3 XP000218815, ISBN:0-87942-632-2, pp. 1431-1437 | |
| Examiner Signature | <i>Fullary Johnson</i> | | Date Considered 8/17/04 |

RECEIVED**MAR 08 2004****Technology Center 2600**

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IDS # 5 *fun*

| | | | |
|---|--|--|--|
| Please type a plus sign (+) → + | | Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE | |
| 1449/PTO | | U.S. Department of Commerce Patent and Trademark Office | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>Sheet 1 of 1</u> | | Application No. : 09/817,073 | |
| | | Filing Date : March 26, 2001 | |
| | | First Named Inventor: N. MATSUOKA | |
| | | Group Art Unit : 2661 | |
| | | Examiner Name : D.W. OLMS | |
| | | Attorney Docket No. : FUJI 18.511 | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|---------------------------------|---|--|---|
| Examiner Initials | Cite No. ¹ | U.S. Patent Document | Kind Code if known ² | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
| <i>fun</i> | | 5,898,687 | | HARRIMAN, et al. | 04/27/1999 | |

| FOREIGN DOCUMENTS | | | | | | |
|-------------------|-----------------------|---|---------|--|--|---|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known) | Country | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YY/Y | Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear |
| | | | | RECEIVED JUN 08 2004 Technology Center 2600 | | |

Other Prior Art-Non Patent Literature Documents

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source. | Applicant check here if English language translation attached |
|--------------------|-------------------|--|---|
| <i>fun</i> | | AJMONE MARSAN, et al., "SCHEDULING IN INPUT-QUEUED CELL-BASED PACKET SWITCHES" 1999 IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE DECEMBER 1999, VOL. 2, pp. 1227-1235, XP001016908, ISBN: 0-7803-5797-3 | |
| <i>fun</i> | | YAMANAKA, et al., "SHARED MULTIBUFFER ATM SWITCHES WITH HIERARCHIAL QUEUEING AND MULTICAST FUNCTIONS" IEICE TRANSACTIONS ON COMMUNICATIONS, VOL. E79-B, NO. 8, pp. 1109-1120 AUGUST 1996, XP000628651, ISSN: 0916-8516 | |
| <i>fun</i> | | NONG, et al., "EFFICIENT SCHEDULING OF VARIABLE-LENGTH IP PACKETS ON HIGH-SPEED SWITCHES" 1999 IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, VOL. 2, pp. 1407-1411 DECEMBER 1999, XP001016938, ISBN: 0-7803-5797-3 | |
| <i>fun</i> | | ANDREWS, et al., "INTEGRATED SCHEDULING OF UNICAST AND MULTICAST TRAFFIC IN AN INPUT-QUEUED SWITCH" INFOCOM 99, EIGHTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES PROCEEDINGS MARCH 1999, pp. 1144-1151, XP010323856, ISBN: 0-7803-5417-6 | |
| Examiner Signature | <i>duhongpham</i> | | Date Considered 8/17/04 |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.